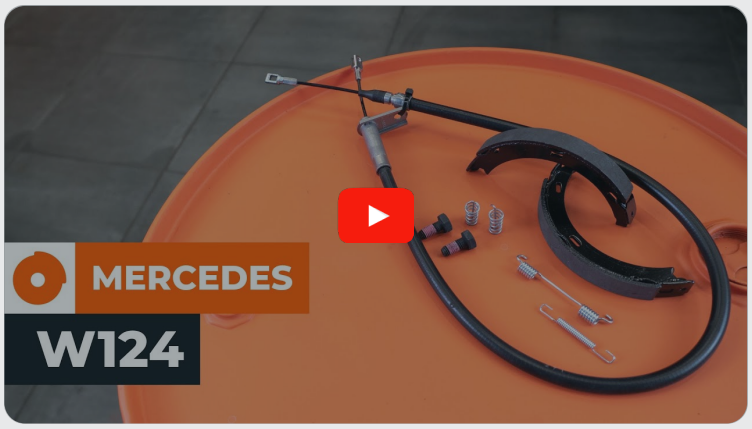
AUTODOC CLUB

How to change hand brake cable on **Mercedes W124** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
MERCEDES-BENZ 190 (W201) E 2.5-16, MERCEDES-BENZ Saloon (W124) 200 2.0 (124.020), MERCEDES-BENZ Saloon (W124) 200 E 2.0 (124.021), MERCEDES-BENZ Saloon (W124) 230 E 2.3 (124.023), MERCEDES-BENZ Saloon (W124) 260 E 2.6 (124.026), MERCEDES-BENZ Saloon (W124) 300 E 3.0, MERCEDES-BENZ Saloon (W124) 300 E 3.0 (124.030), MERCEDES-BENZ Saloon (W124) 300 E 3.0 4-matic (124.230), MERCEDES-BENZ Saloon (W124) 300 E 3.0 4-matic, MERCEDES-BENZ Saloon (W124) 200 D 2.0 (124.120), MERCEDES-BENZ Saloon (W124) 250 D 2.5 (124.125), MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129), MERCEDES-BENZ Saloon (W124) 250 2.5 Turbo diesel (124.128), MERCEDES-BENZ Saloon (W124) 300 D 3.0 (124.130), MERCEDES-BENZ Saloon (W124) 300 D 3.0 4-matic (124.330), (+ 26)

The steps may slightly vary depending on the car design.

REPLACEMENT: HAND BRAKE CABLE – MERCEDES W124. LIST OF THE TOOLS YOU'LL NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Drive socket # 17
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Tap wrench
- Long nose pliers
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: hand brake cable – Mercedes W124. AUTODOC recommends:

- Replace the parking brake cables in pairs.
- All work should be done with the engine stopped.

REPLACEMENT: HAND BRAKE CABLE – MERCEDES W124. RECOMMENDED SEQUENCE OF STEPS:

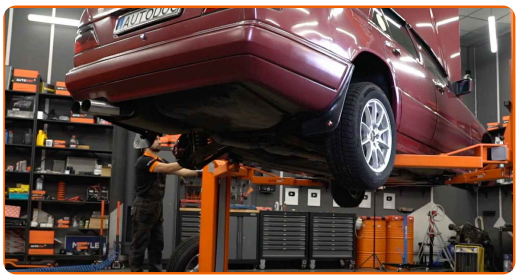
1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.

3 Secure the wheels with chocks.

4 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.

5 Raise the car.



AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

6 Unscrew the wheel bolts.

Replacement: hand brake cable – Mercedes W124. AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

7 Remove the wheel.

8 Clean the brake pad guide pins. Use a wire brush. Use all-purpose cleaning spray.

9 Remove the brake pad guide pins. Use a pin punch. Use a hammer.

10 Remove the retaining spring of the brake pads.

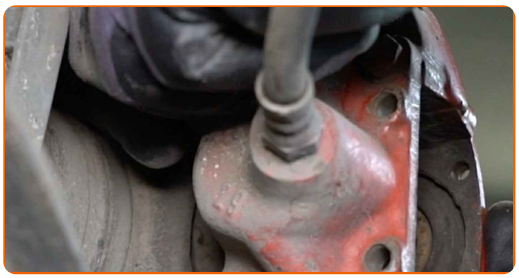
11 Spread the brake pads. Use a crowbar (2 pieces).

12 Remove the brake pads.

13 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

14 Unscrew the brake caliper fasteners. Use a combination spanner #17.

15 Remove the fastening bolts.



16 Remove the brake caliper.

Replacement: hand brake cable – Mercedes W124. Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

17 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

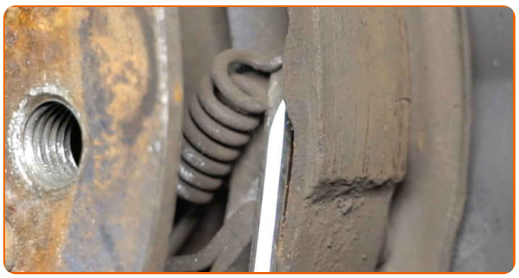
18 Unscrew the brake disc fasteners. Use HEX No.H5. Use a ratchet wrench.

19 Remove the fastening bolt.

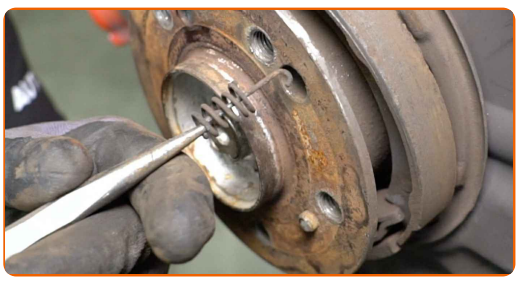
20 Release the parking brake adjuster. Use a flat screwdriver.

21 Remove the brake disc.

22 Remove the lower brake shoe return spring. Use a flat screwdriver.



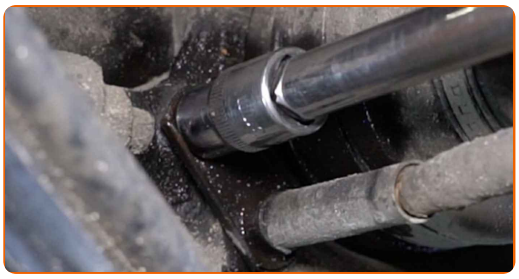
23 Remove the hold-down springs of the parking brake shoes. Use long nose pliers.



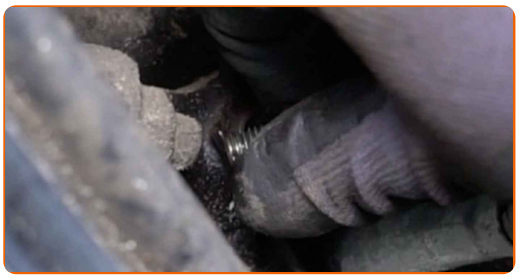
24 Remove the parking brake shoes.

25 Clean the fastener connecting the parking brake cable to the rear knuckle. Use a wire brush. Use WD-40 spray.

26 Unscrew the fastener connecting the parking brake cable to the rear knuckle. Use a drive socket #13. Use a ratchet wrench.



27 Remove the fastening bolt.



28 Remove the pin connecting the cable to the parking brake shoe shackle. Use long nose pliers.

29 Remove the parking brake shoe shackle.

30 Clean the parking brake cable adjuster. Use a wire brush. Use WD-40 spray.

31 Loosen the parking brake cable adjuster. Use a drive socket #13. Use a ratchet wrench.

32 Clean the retainer connecting the parking brake cable to the car body. Use a wire brush. Use WD-40 spray.

33 Remove the retainer connecting the parking brake cable to the car body. Use a crowbar.

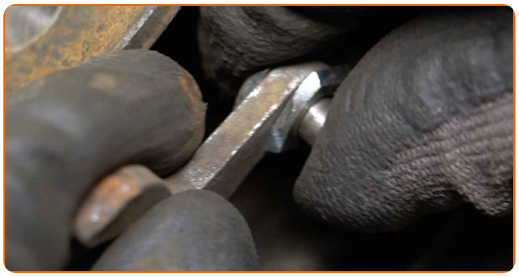
34 Remove the parking brake cable.

35 Clean the parking brake cable mounting seats. Use a wire brush. Use all-purpose cleaning spray.

36 Install a new parking brake cable. Use a hammer.

37 Install the retainer connecting the parking brake cable to the car body.

38 Install the pin connecting the cable to the parking brake shoe shackle.



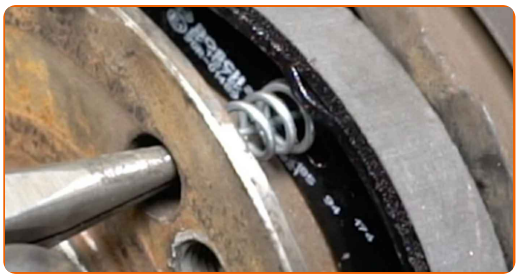
39 Install the parking brake shoe shackle.

40 Install the fastening bolt.

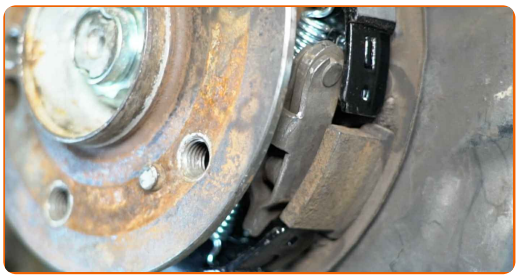
41 Tighten the fastener connecting the parking brake cable to the rear knuckle. Use a drive socket #13. Use a torque wrench. Tighten it to 24 Nm torque.

42 Install new parking brake shoes.

43 Install the hold-down springs of the parking brake shoes. Use long nose pliers.



44 Install the lower return spring. Use a flat screwdriver.



45 Adjust the parking brake cable tension. Use a drive socket #13. Use a ratchet wrench.

46 Clean the wheel hub. Use a wire brush.

47 Treat the contacting surface. Use ceramic grease.

48 Install the brake disc.

49 Install the fastening bolt.

50 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.

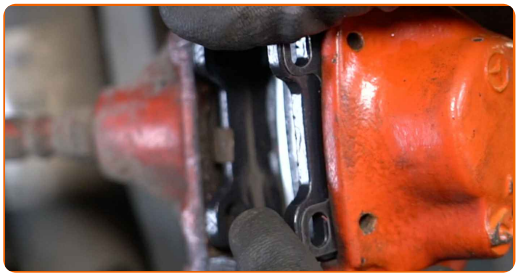
51 Set the parking brake adjuster in the correct position. Use a flat screwdriver.

52 Install the brake caliper and fasten it.

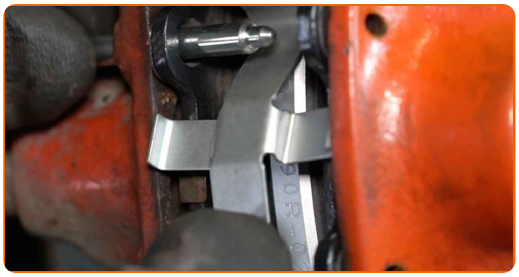
53 Install the fastening bolts.

54 Tighten the brake caliper fasteners. Use a drive socket #17. Use a torque wrench. Tighten it to 65 Nm torque.

55 Install the brake pads.

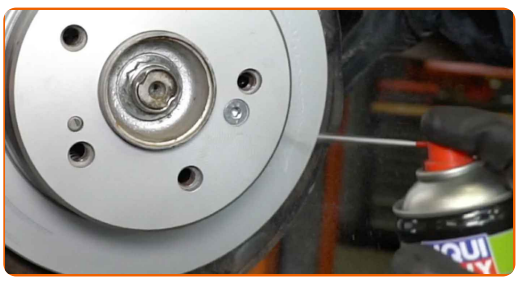


56 Install the retaining spring of the brake pads.



57 Install the brake pad guide pins. Use a pin punch. Use a hammer.

58 Clean the brake disk surface. Use a brake cleaner.



59 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

60 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W124

61 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.

62 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

63 Remove the jacks and chocks.

AUTODOC recommends:

- Mercedes W124 – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- Check the brake fluid level in the expansion tank and top up if necessary.

64 Tighten the brake fluid reservoir cap.

65 Close the bonnet.

WELL DONE!

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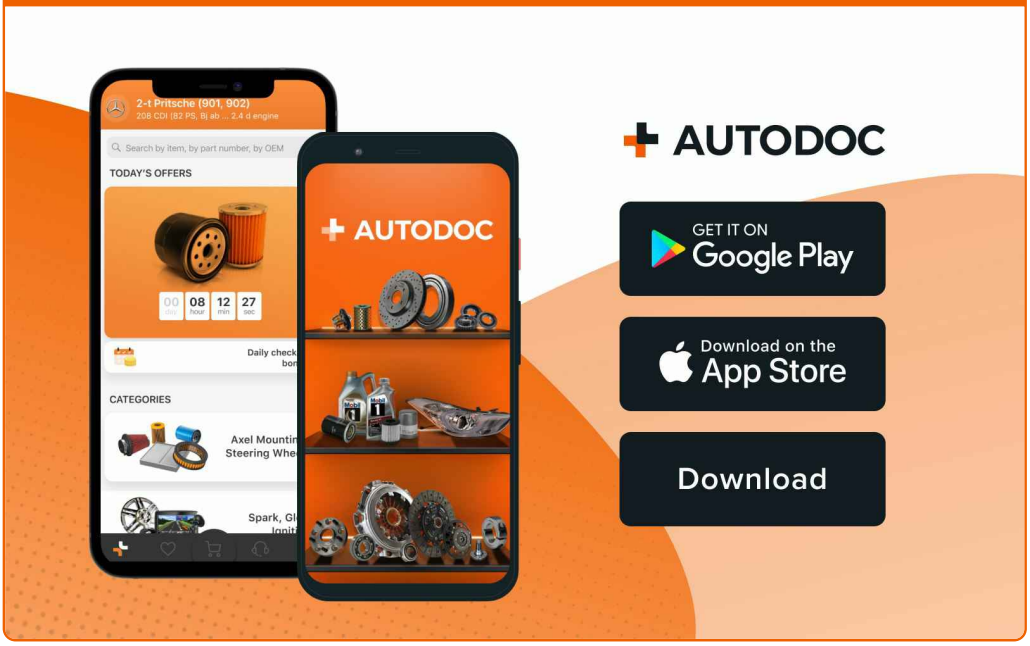

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